

Document Number:
401494693

Date Received:
12/22/2017

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.
A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 69175 Contact Name: Kelsi Welch
 Name of Operator: PDC ENERGY INC Phone: (303) 831-3974
 Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
 City: DENVER State: CO Zip: 80203 Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required, Name: Montoya, John Tel: (970) 397-4124
 Email: john.montoya@state.co.us

COGCC contact: _____

API Number 05-123-20658-00 Well Number: 42-10
 Well Name: WELL RANCH
 Location: QtrQtr: SENE Section: 10 Township: 5N Range: 63W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 263285
 Field Name: WATTENBERG Field Number: 90750

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.415750 Longitude: -104.416060
 GPS Data:
 Date of Measurement: 11/01/2007 PDOP Reading: 3.1 GPS Instrument Operator's Name: Holly L. Tracy
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: _____
 Fish in Hole: Yes No If yes, explain details below
 Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below
 Details: _____

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	6636	6642	11/29/2017	B PLUG CEMENT TOP	6586

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	8+5/8	24	361	255	361	0	
1ST	7+7/8	4+1/2	10.5	6,835	180	6,835	5,900	CBL
S.C. 1.1				6,835	220	5,900	3,195	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6586 with 2 sacks cmt on top. CIBP #2: Depth 6292 with 2 sacks cmt on top.
 CIBP #3: Depth _____ with _____ sacks cmt on top. CIBP #4: Depth _____ with _____ sacks cmt on top.
 CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 59 sks cmt from 3253 ft. to 3000 ft. Plug Type: CASING Plug Tagged:
 Set 274 sks cmt from 665 ft. to 0 ft. Plug Type: CASING Plug Tagged:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
(Cast Iron Cement Retainer Depth)
 Set _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged:
 Set 35 sacks at surface
 Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: Yes No
 Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: 3100 ft. 4+1/2 inch casing Plugging Date: 12/01/2017
 of _____
 *Wireline Contractor: Casedhole Solutions *Cementing Contractor: O-Tex
 Type of Cement and Additives Used: 15.8#/gal CI G cement
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Wells Ranch 42-10 (05-123-20658)/Plugging Procedure (Subsequent)
 Producing Formation (Perforations): Codell: 6636'-6642'
 TD: 6915' PBD: 6822'
 Surface Casing: 8 5/8" 24# @ 361' w/ 255 sxs
 Production Casing: 4 1/2" 10.5# @ 6835' w/ 400 sxs cmt (TOC @ 3192' - CBL).
 Tubing: 2 3/8" tubing set @ 6626' (6/19/2014).
 Proposed Procedure:
 1. Run gyro survey.
 2. MIRU pulling unit. Pull 2 3/8" tubing.
 3. RU wireline company.
 4. TIH with CIBP. Set BP at 6586'. Top with 2 sxs 15.8#/gal CI G cement.
 5. TIH with CIBP. Set BP at 6292'. Top with 2 sxs 15.8#/gal CI G cement.
 6. Pressure tested casing and plug up to 1000 psi. Pressure test failed. Holes in casing found at 2295'- 2335' and 3186'- 3225'.
 7. TIH with casing cutter. Cut 4 1/2" casing at 3100'. Pull cut casing.
 8. TIH with tubing to 3253'. RU cementing company. Mix and pump 59 sxs 15.8#/gal CI G cement down tubing to 3000'.
 9. TIH with tubing to 665'. RU cementing company. Mix and pump 274 sxs 15.8#/gal CI G cement down tubing to surface.
 10. Let sit overnight. Tagged TOC at 100'. Topped off well with 35 sxs 15.8#/gal CI G cement.
 11. Cut surface casing 6' below ground level and weld on cap.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Kelsi Welch
 Title: Production Tech Date: 12/22/2017 Email: kelsi.welch@pdce.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Jacobson, Eric

Date: 5/15/2018

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401494693	FORM 6 SUBSEQUENT SUBMITTED
401494702	WIRELINE JOB SUMMARY
401494703	CEMENT JOB SUMMARY
401494713	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)